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L1	159	(703/17).CCLS.	USPAT	OR	OFF	2005/08/17 10:42
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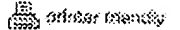::: **Search Results**   **BROWSE**   **SEARCH**   **IEEE XPLORE GUIDE**   **SUPPORT**

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Helsley, C.E.; Kim, J.W.;
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1 The cost-of-knowledge characteristic function: display evaluation for direct-walk dynamic information visualizations
Stuart K. Card, Peter Pirolli, Jock D. Mackinlay
April 1994 **Proceedings of the SIGCHI conference on Human factors in computing systems: celebrating interdependence**
Full text available: 📄 pdf(838.76 KB)   Additional Information: full citation, references, citings, index terms

Keywords: 3D user interfaces, dynamic displays, information visualization, information visualizer, methodology

2 Load-reuse analysis: design and evaluation
Rastislav Bodík, Rajiv Gupta, Mary Lou Soffa
May 1999 **ACM SIGPLAN Notices , Proceedings of the ACM SIGPLAN 1999 conference on Programming language design and implementation**, Volume 34 Issue 5
Full text available: 📄 pdf(1.86 MB)   Additional Information: full citation, abstract, references, citings, index terms

Load-reuse analysis finds instructions that repeatedly access the same memory location. This location can be promoted to a register, eliminating redundant loads by reusing the results of prior memory accesses. This paper develops a load-reuse analysis and designs a method for evaluating its precision.In designing the analysis, we aspire for *completeness*--- the goal of exposing all reuse that can be harvested by a subsequent program transformation. For register promotion, a suitable transfo ...

Keywords: data-flow analysis, profile-guided optimizations, program representations, register promotion

3 Serverless network file systems
Thomas E. Anderson, Michael D. Dahlin, Jeanna M. Neefe, David A. Patterson, Drew S. Roselli, Randolph Y. Wang
February 1996 **ACM Transactions on Computer Systems (TOCS)**, Volume 14 Issue 1
Full text available: 📄 pdf(2.69 MB)   Additional Information: full citation, abstract, references, citings, index terms

We propose a new paradigm for network file system design: serverless network file systems. While traditional network file systems rely on a central server machine, a serverless system utilizes workstations cooperating as peers to provide all file system services. Any machine in the system can store, cache, or control any block of data. Our approach uses this location independence, in combination with fast local area networks, to provide better performance and scalability th ...

4 Serverless network file systems

T. E. Anderson, M. D. Dahlin, J. M. Neefe, D. A. Patterson, D. S. Roselli, R. Y. Wang
December 1995 **ACM SIGOPS Operating Systems Review , Proceedings of the fifteenth ACM symposium on Operating systems principles**, Volume 29 Issue 5

Full text available: pdf(2.48 MB)   Additional Information: full citation, references, citings, index terms

5 Using name-based mappings to increase hit rates

David G. Thaler, Chinya V. Ravishankar
February 1998 **IEEE/ACM Transactions on Networking (TON)**, Volume 6 Issue 1

Full text available: pdf(408.98 KB)   Additional Information: full citation, references, citings, index terms

6 PAR-APLAC: Parallel Circuit Analysis and Optimization

Eero Pajarre, Tapani Ritoniemi, T. Tenhunen
November 1992 **Proceedings of the conference on European design automation**

Full text available: pdf(532.87 KB)   Additional Information: full citation, references, index terms

7 Tools and approaches for developing data-intensive Web applications: a survey

Piero Fraternali
September 1999 **ACM Computing Surveys (CSUR)**, Volume 31 Issue 3

Full text available: pdf(524.80 KB)   Additional Information: full citation, abstract, references, citings, index terms

The exponential growth and capillar diffusion of the Web are nurturing a novel generation of applications, characterized by a direct business-to-customer relationship. The development of such applications is a hybrid between traditional IS development and Hypermedia authoring, and challenges the existing tools and approaches for software production. This paper investigates the current situation of Web development tools, both in the commercial and research fields, by identifying and characte ...

8 Cluster-based scalable network services

Armando Fox, Steven D. Gribble, Yatin Chawathe, Eric A. Brewer, Paul Gauthier
October 1997 **ACM SIGOPS Operating Systems Review , Proceedings of the sixteenth ACM symposium on Operating systems principles**, Volume 31 Issue 5

Full text available: pdf(2.42 MB)   Additional Information: full citation, references, citings, index terms

9 Performance issues of enterprise level web proxies

Carlos Maltzahn, Kathy J. Richardson, Dirk Grunwald
June 1997 **ACM SIGMETRICS Performance Evaluation Review , Proceedings of the 1997 ACM SIGMETRICS international conference on Measurement and modeling of computer systems**, Volume 25 Issue 1

Full text available: pdf(1.75 MB)   Additional Information: full citation, abstract, references, citings, index terms

Enterprise level web proxies relay world-wide web traffic between private networks and the

Internet. They improve security, save network bandwidth, and reduce network latency. While the performance of web proxies has been analyzed based on synthetic workloads, little is known about their performance on real workloads. In this paper we present a study of two web proxies (CERN and Squid) executing real workloads on Digital's Palo Alto Gateway. We demonstrate that the simple CERN proxy architecture ...

10 Software engineering for security: a roadmap
Premkumar T. Devanbu, Stuart Stubblebine
May 2000 **Proceedings of the Conference on The Future of Software Engineering**

Full text available: pdf(1.71 MB)   Additional Information: full citation, references, citings, index terms

Keywords: copy protection, security, software engineering, water-marking

11 Placement algorithms for hierarchical cooperative caching
Madhukar R. Korupolu, C. Greg Plaxton, Rajmohan Rajaraman
January 1999 **Proceedings of the tenth annual ACM-SIAM symposium on Discrete algorithms**

Full text available: pdf(1.36 MB)   Additional Information: full citation, references, citings, index terms

12 Fast Prolog with an extended general purpose architecture
Bruce K. Holmer, Barton Sano, Michael Carlton, Peter Van Roy, Ralph Haygood, William R. Bush, Alvin M. Despain, Joan M. Pendleton, Tep Dobry
May 1990 **ACM SIGARCH Computer Architecture News , Proceedings of the 17th annual international symposium on Computer Architecture**, Volume 18 Issue 3

Full text available: pdf(1.19 MB)   Additional Information: full citation, abstract, references, citings, index terms

Most Prolog machines have been based on specialized architectures. Our goal is to start with a general purpose architecture and determine a minimal set of extensions for high performance Prolog execution. We have developed both the architecture and optimizing compiler simultaneously, drawing on results of previous implementations. We find that most Prolog specific operations can be done satisfactorily in software; however, there is a crucial set of features that the architecture must suppor ...

13 Caching: AFS and the web: competitors or collaborators?
M. Satyanarayanan, Mirjana Spasojevic
September 1996 **Proceedings of the 7th workshop on ACM SIGOPS European workshop: Systems support for worldwide applications**

Full text available: pdf(549.27 KB)   Additional Information: full citation, abstract, references

Over the last few years, the World-Wide Web [2] has risen to dominance as a mechanism for wide-area information access. Each day brings new reports of the growth of the Web, and this trend shows no signs of abating any time soon. To many people, the Web and the Internet are synonymous. Unfortunately, success has exposed many limitations of the Web such as its tendency to overload the network and servers, its limited ability to control access to sensitive data, its lack of mechanisms for data con ...

14 Papers: A web server's view of the transport layer
Mark Allman
October 2000 **ACM SIGCOMM Computer Communication Review**, Volume 30 Issue 5

Full text available: pdf(1.23 MB)   Additional Information: full citation, abstract, references, citings

This paper presents observations of traffic to and from a particular World-Wide Web server over the course a year and a half. This paper presents a longitudinal look at various network path properties, as well as the implementation status of various protocol options and mechanisms. In particular, this paper considers how World-Wide Web clients utilize TCP connections to transfer web data; the deployment of various TCP and HTTP options; the range of round-trip times observed in the network; packe ...

15 Programming languages: past, present, and future: sixteen prominent computer scientiest assess our field
Peter Trott
January 1997 **ACM SIGPLAN Notices**, Volume 32 Issue 1

Full text available: 📄 pdf(4.67 MB)   Additional Information: full citation, index terms

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Gregory J. Walters
June 2001 **ACM SIGCAS Computers and Society**, Volume 31 Issue 2

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Hajime Wada
August 1994 **Proceedings of the 15th conference on Computational linguistics - Volume 2**

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18 Enabling full service surrogates using the portable channel representation
Micah Beck, Terry Moore, Leif Abrahamsson, Christophe Achouiantz, Patrick Johansson
April 2001 **Proceedings of the 10th international conference on World Wide Web**

Full text available: 📄 pdf(282.92 KB)   Additional Information: full citation, references, index terms

    Keywords: content distribution, dynamic content, mirroring, portability, replication, surrogate, web server

19 AFS and the Web: competitors or collaborators?
M. Satyanarayanan, Mirjana Spasojevic
January 1997 **ACM SIGOPS Operating Systems Review**, Volume 31 Issue 1

Full text available: 📄 pdf(477.27 KB)   Additional Information: full citation, abstract, index terms

    Over the last few years, the World-Wide Web [2] has risen to dominance as a mechanism for wide-area information access. Each day brings new reports of the growth of the Web, and this trend shows no signs of abating any time soon. To many people, the Web and the Internet are synonymous. Unfortunately, success has exposed many limitations of the Web such as its tendency to overload the network and servers, its limited ability to control access to sensitive data, its lack of mechanisms for data con ...

20 Summary cache: a scalable wide-area web cache sharing protocol
Li Fan, Pei Cao, Jussara Almeida, Andrei Z. Broder
June 2000 **IEEE/ACM Transactions on Networking (TON)**, Volume 8 Issue 3

Full text available: 📄 pdf(220.29 KB)   Additional Information: full citation, references, citings, index terms

    Keywords: ICP, Web cache, Web proxy, bloom filter, cache sharing